



Rev. 06/23/00

PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicants : Arlene A. Wise et al. : Docket No.: S-91,714  
Serial No. : 09/520,538 : Examiner:  
Filed : March 08, 2000 : Art Unit: 1651  
For : DETECTION OF PHENOLS  
USING ENGINEERED BACTERIA

Assistant Commissioner for Patents  
Washington, DC 20231

**COMPLETION OF FILING REQUIREMENTS**

- I. ☒ The following is a reply to the Notice to File Missing Parts of Application (PTO-1533) dated 05/10/2000.  
☒ A copy of the Notice to File Missing Parts of Application - Filing Date Granted (Form PTO-1533) is enclosed.

**DECLARATION OR OATH**

- II. ☒ No original declaration or oath was filed and enclosed is the original declaration or oath for this application.  
☐ The original declaration or oath which was filed was determined to be defective. A new original oath or declaration is attached.

**CERTIFICATE OF MAILING/TRANSMISSION (37 CFR 1.8(a))**

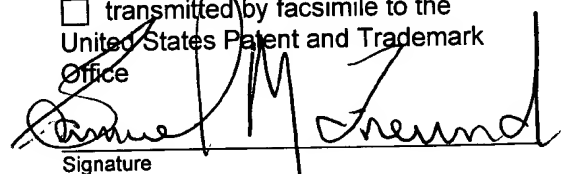
I hereby certify that this correspondence is, on the date shown below, being:

**MAILING**

☒ deposited with the United States Postal Service in an envelope addressed to the: Assistant Commissioner for Patents, Washington, DC 20231.

**FACSIMILE**

☐ transmitted by facsimile to the United States Patent and Trademark Office

  
Signature

Date July 10, 2000

Samuel M. Freund  
(type or print name of person certifying)

Attached is a

- ☐ Statement by a registered attorney that the application filed in the PTO is the application which the inventor executed by signing the declaration.
- ☐ Statement that the "attached" specification is a copy of the specification and any amendments thereto which were filed in the PTO to obtain the filing date.

**AMENDMENT CANCELING CLAIMS**

- III. ☐ Cancel claims \_\_\_\_\_.

**SMALL ENTITY STATUS**

- IV. ☒ A verified statement that this filing is by a small entity.
- ☐ is attached .
- ☐ a separate refund request accompanies this paper
- ☒ was filed on 03/08/00.
- ☐ Applicant is other than a small entity.

**COMPLETION FEES**

- V. 1. Filing fee
- ☐ original patent application 37 CFR 1.16(a))-  
\$730.00; Small entity-\$365.00 \$ \_\_\_\_\_
2. Fees for claims
- ☐ each independent claim in excess of 3  
(37 CFR 1.16(b))- \$76.00; small entity-\$38.00 \$ \_\_\_\_\_
- ☐ each claim in excess of 20 (37 CFR 1.16(c))-  
\$22.00; small entity-\$11.00 \$ \_\_\_\_\_
- ☐ multiple dependent claim(s) (37 CFR 1.16(d))-  
\$240.00; small entity-\$120.00 \$ \_\_\_\_\_
3. Surcharge fees
- ☐ late payment of filing fee
- and/or
- ☒ late filing of original declaration or oath  
(37 CFR 1.16(e))- \$130.00; small  
entity-\$65.00 \$ 65.00

4. ☐ Petition and fee for filing by other than all the inventors or a person not the inventor  
(37 CFR 1.47)-\$130.00 \$ \_\_\_\_\_

**TOTAL COMPLETION FEES**\$ 65.00**EXTENSION OF TIME FEES**

(complete (a) or (b) as applicable)

VI. The proceedings herein are for a patent application and the provisions of 37 CFR 1.136(a) apply.

- (a) ☐ Applicant petitions for an extension of time, the fees for which are set out in 37 CFR 1.17(a)-(d), for the total number of months checked below:

| <u>Extension<br/>(months)</u>         | <u>Fee for other than<br/>small entity</u> | <u>Fee for<br/>small entity</u> |
|---------------------------------------|--|---------------------------------|
| <input type="checkbox"/> one month    | \$ 110.00                                  | \$ 55.00                        |
| <input type="checkbox"/> two months   | \$ 370.00                                  | \$185.00                        |
| <input type="checkbox"/> three months | \$ 870.00                                  | \$435.00                        |
| <input type="checkbox"/> four months  | \$1,360.00                                 | \$680.00                        |

**EXTENSION OF TIME FEE**

\$ \_\_\_\_\_

- ☐ An extension for \_\_\_\_\_ months has already been secured and the fee paid therefor of \$ \_\_\_\_\_ is deducted from the total fee due for the total months of extension now requested.

**EXTENSION FEE DUE WITH THIS REQUEST**\$ 0.00

or

- (b) ☒ Applicant believes that no extension of time is required. However, this conditional petition is being made to provide for the possibility that applicant has inadvertently overlooked the need for a petition and fee for extension of time.

**TOTAL FEE DUE**

VII. The total fee due is

Completion fee(s) \$65.00 \_\_\_\_\_  
Extension fee (if any) \$ \_\_\_\_\_

**TOTAL FEE DUE**\$ 65.00

VIII.

- ☐ enclosed is a check in the amount of \$ \_\_\_\_\_  
☒ charge Account No. 12-2150 in the amount of \$ 65.00

A duplicate of this transmittal is attached.

**AUTHORIZATION TO CHARGE ADDITIONAL FEES**

IX.

☒ The Commissioner is hereby authorized to charge the following additional fees which may be required by this paper and during the pendency of this application to Account No. 12-2150.

☒ 37 CFR 1.16(a), (f), or (g) (filing fees)

☒ 37 CFR 1.16(b), (c), or (d) (presentation of extra claims)

☒ 37 CFR 1.17 (application processing fees)

☐ 37 CFR 1.18 (issue fee at or before mailing of Notice of Allowance, pursuant to 37 CFR 1.311(b))

X. As to any overpayment made please

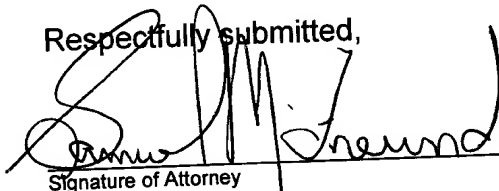
☒ Credit to Account No. 12-2150.  
☐ Send refund check.

Date:

July 10, 2000

Reg. No. 30,459  
Phone (505) 667-9701

Respectfully submitted,

  
Signature of Attorney

Samuel M. Freund  
Los Alamos National Laboratory  
LC/BPL, MS D412  
Los Alamos, New Mexico 87545

## FORMALITIES LETTER

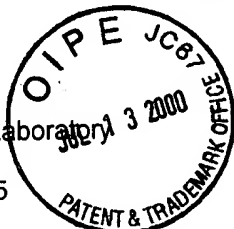


\*OC00000005107264\*

UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark OfficeAddress: COMMISSIONER OF PATENT AND TRADEMARKS  
Washington, D.C. 20231

| APPLICATION NUMBER | FILING/RECEIPT DATE | FIRST NAMED APPLICANT | ATTORNEY DOCKET NUMBER |
|--------------------|---------------------|-----------------------|------------------------|
| 09/520,538         | 03/08/2000          | Arlene A. Wise        | S-91,714               |

Samuel M Freund  
LC/BPL MS D412  
Los Alamos National Laboratory  
P O Box 1663  
Los Alamos, CA 87545



LC / BPL

MAY 24 2000

Date Mailed: 05/10/2000

## NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

## Filing Date Granted

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given TWO MONTHS from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The oath or declaration is missing.  
*A properly signed oath or declaration in compliance with 37 CFR 1.63, identifying the application by the above Application Number and Filing Date, is required.*
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(e) of \$65 for a small entity in compliance with 37 CFR 1.27, must be submitted with the missing items identified in this letter.
- The balance due by applicant is \$ 65.

A copy of this notice **MUST** be returned with the reply.

Customer Service Center  
Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE

07/14/2000 SDUONG 00000067 122150 09520538

01 FC:205 65.00 CH

→WAE

AET

BHC

GCD

GMB

MJH

MMK

MDW

RCW

SJP

SLB

→SMF

DBASE

KARDEX

5/24/00  
5/30

# FEE TRANSMITTAL For FY 2000

Patent fees are subject to annual revision  
Small Entity payments must be supported by a small entity statement, otherwise large entity fees must be paid.

**TOTAL AMOUNT OF PAYMENT \$345.00**

## Complete if Known

Application Number: \_\_\_\_\_  
Filing Date: March 08, 2000  
First Named Inventor: Arlene A. Wise  
Examiner Name: \_\_\_\_\_  
Group/Art Unit: \_\_\_\_\_  
Attorney Docket No.: S-91,714

## METHOD OF PAYMENT

1. ☒ The commissioner is hereby authorized to charge indicated fees and credit any over payments to:  
Deposit Account Number: 12-2150  
Deposit Account Name: Los Alamos National Laboratory  
☒ Charge Any Additional Fee Required Under 37 C.F.R. 1.16 and 1.17

2. ☐ Payment Enclosed:  
☐ Check ☐ Money Order ☐ Other

## FEE CALCULATION

### 1. BASIC FILING FEE

| Large Entity Fee    | Small Entity Fee | Fee Description        | Fee Paid        |
|---------------------|------------------|------------------------|-----------------|
| \$                  | \$               |                        |                 |
| 690                 | 345              | Utility filing fee     | 345.00          |
| 690                 | 345              | Reissue filing fee     |                 |
| 150                 | 75               | Provisional filing fee |                 |
| <b>SUBTOTAL (1)</b> |                  |                        | <b>\$345.00</b> |

### 2. EXTRA CLAIM FEES

| Total Claims       | Extra Claims | Fee from Below | Fee Paid |
|--------------------|--------------|----------------|----------|
| 07 - 20** =        | X            | = \$0.00       |          |
| Independent Claims | 01 - 3** =   | X              | = 0.00   |
| Multiple Dependent |              |                | =        |

\*\* or number previously paid, if greater; For Reissues, see below

| Large Entity Fee    | Small Entity Fee | Fee Description  |
|---------------------|------------------|--|
| \$                  | \$               |  |
| 18                  | 9                | Claims in excess of 20                                     |
| 78                  | 39               | Independent claims in excess of 3                          |
| 260                 | 130              | Multiple dependent claim, if not paid.                     |
| 78                  | 39               | ** Reissue independent claims over original patent         |
| 18                  | 9                | ** Reissue claims in excess of 20 and over original patent |
| <b>SUBTOTAL (2)</b> |                  | <b>\$0.00</b>  |

## FEE CALCULATION (continued)

### 3. ADDITIONAL FEES

| Large Entity Fee | Small Entity Fee | Fee Description  | Fee Paid |
|------------------|------------------|--|----------|
| \$               | \$               |  |          |
| 130              | 65               | Surcharge - late filing fee or oath  |          |
| 50               | 25               | Surcharge - late provisional filing fee or cover sheet                     |          |
| 2,520            | 2,520            | For filing a request for reexamination                                     |          |
| 110              | 55               | Extension for reply within first month                                     |          |
| 380              | 190              | Extension for reply within second month                                    |          |
| 870              | 435              | Extension for reply within third month                                     |          |
| 1,360            | 680              | Extension for reply within fourth month                                    |          |
| 1,850            | 925              | Extension for reply within fifth month                                     |          |
| 300              | 150              | Notice of Appeal   |          |
| 300              | 150              | Filing a brief in support of an appeal                                     |          |
| 260              | 130              | Request for oral hearing   |          |
| 1,510            | 1,510            | Petition to institute a public use proceeding                              |          |
| 110              | 55               | Petition to revive - unavoidable   |          |
| 1,210            | 605              | Petition to revive - unintentional   |          |
| 130              | 130              | Petitions to the Commissioner  |          |
| 50               | 50               | Petitions related to provisional applications                              |          |
| 240              | 240              | Submission of Information Disclosure Statement                             |          |
| 40               | 40               | Recording each patent assignment per property (times number of properties) |          |
| 690              | 345              | Filing a submission after final rejection (37 CFR 1.129 (a))               |          |
| 690              | 345              | For each additional invention to be examined (37 CFR 1.129(b))             |          |

Other fee (specify) \_\_\_\_\_

Other fee (specify) \_\_\_\_\_

**SUBTOTAL (3) \$0.00**

Reduced by Basic Filing Fee Paid

**TOTAL \$345.00**

## SUBMITTED BY

Printed Name: Samuel M. Freund

Signature: 

## Complete (if applicable)

Reg. Number 30,459

Telephone (505) 667-9701  
Date March 08, 2000